

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-18 (Canceled)

19 (Currently amended). In a catheter having a proximal end and a distal end useable in a system for intraluminal treatment of a selected site in a body of a patient including a transfer device having a central opening for receiving the catheter and for storing at least one treatment element and propelling the treatment element into a lumen in the catheter, the improvement comprising:

① a connector integral with the proximal end of the catheter including at least one detent having a transverse tab for securing said connector in the central opening of the transfer device, said detent being manually actuable to release the catheter from the central opening of the transfer device.

20. (Previously presented) The catheter of Claim 19 wherein said detent comprises a cantilever arm axially extending from said connector.

21 (Currently amended). A catheter for use in a system for intraluminal treatment of a selected site in a body of a patient by at least one treating element moveable by means of pressurized fluid, the catheter comprising an elongated tube having a proximal end and a distal end, first and second lumens extending between said proximal and distal ends and communicating at said distal ends, said first lumen sized to slidably receive the said at least one treating element, and said second lumen having an elliptical cross section.

22. (Previously presented) The catheter of Claim 21 further comprising at least one radiopaque marker for aligning said distal end and the at least one treating element with the selected site of the body of the patient, said radiopaque marker being located within said first lumen at said distal end and providing a fluid flow path between said first and second lumen.

23-37 (Canceled).

38 (Original). A catheter for use in a system for intraluminal treatment of a selected site in a body of a patient by at least one treating element moveable by means of pressurized fluid, the catheter comprising and elongated tube having a proximal end a distal end, and first, second and third lumens extending between said proximal and distal ends, said first lumen sized to slidably receive the treating element, and said third lumen sized to receive a guidewire, the distal end of said third lumen having a lining that resists damage from the guidewire as said catheter is delivered over the guidewire to the selected site.

39 (Previously presented). The catheter of Claim 38 wherein said lining comprises a polyethylene blend of a high density polyethylene and a low density polyethylene.

40 (Original). A catheter for use in a system for intraluminal treatment of a selected site in a body of a patient by at least one radioactive treating element moveable by means of pressurized fluid, the catheter comprising a shield tube fitted over a portion of the proximal end of said catheter for protection from the radioactive treating elements when transferred into and out of said catheter.

41 (Canceled).

42 (New). The catheter of Claim 21 further comprising at least one treating element, said at least one treating element slidably received in said first lumen.

43 (New). The catheter of Claim 42 further comprising a pressurized fluid wherein said at least one treating element is moveable by means of said pressurized fluid.
